

Pouteria macrophylla

Collecting partner	Jaime Magne Carrera Ingenieria Forestal Universidad Gabriel Rene Moreno Santa Cruz Bolivia					
Replicating partner	Edilberto Rojas Espinoza Centro de Semillas Forestales BASFOR Avenida Atahuallpa Final 5453, Cochabamba Bolivia					
Collection date	February 16-18 th					
Seed source	Buena Vista, Santa Cruz					
Initial trials (Universidad Gabriel)						
Fruit weight \pm SD	66,97 \pm 17,23 g					
Fruit size (length/width) \pm SD	4,07 \pm 0,61 cm / 3,42 \pm 0,48 cm					
Seed weight \pm SD	9,15 \pm 2,51 g					
Seed size (length/width) \pm SD	3,06 \pm 0,33 cm / 2,26 \pm 0,21 cm					
Mc before processing						
Initial mc (%)	46					
Initial germination (%)	66					
Initial trials (BASFOR)						
Arrival date	February 20 th					
Initial mc (%)	49					
Initial germination (%)	24					
Desiccation trial (Universidad Gabriel)						
Mc after desiccation (%)						
NB! target mc values only.	40	35	30	20		
Germination (%)	82	73	73	0		
Desiccation trial (BASFOR)						
Mc after desiccation (%)	40,15	38,49	34,07	34,02*	17,37*	12,47*
Germination (%)	3	2	10	0	0	0
Storage trial (BASFOR)						
Mc before storage (%)	14,81	9,71	8,27	6,58		
Germination before storage (%)	0	0	0	0		
Mc after 3 months storage at 18°C (%)	14,7	9,8	8,4	6,4		
Germination (%)	0	0	0	0		
Mc after 3 months storage at 4 °C (%)	14,9	9,8	8,4	6,4		
Germination (%)	0	0	0	0		
Mc after 3 months storage at -20 °C (%)	14,9	9,7	8,1	6,5		
Germination (%)	0	0	0	0		
Comments and conclusions	The high initial mc and the fast decline in germination indicate desiccation sensitivity. Unfortunately the missing values for mc during desiccation trial and the low germination rate after the seeds arrive at the replication partner make conclusions difficult.					

* Testa removed in order to obtain the required mc.



Seeds of *Pouteria macrophylla* from BASFOR, Bolivia. Photo: Dorthe Jøker, DFSC

